

MID 15~20KTL3-XL

- The maximum efficiency is up to 98.5%
- Integrated with AFCI function
- Self-consumption monitoring
- Touch key and OLED display
- Type II SPD on DC and AC side



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Datasheet	MID 15KTL3-XL	MID 17KTL3-XL	MID 20KTL3-XL
Input data (DC)			
Max. recommended PV power (for module STC)	22500W	25500W	30000W
Max. DC voltage		1100V	
Start voltage		250V	
Nominal voltage		360V	
MPPT voltage range		200-850V	
No. of MPP trackers		4	
No. of PV strings per MPP tracker		2/2/2	
Max. input current per MPP tracker		26A/26A/26A/26A	
Max. short-circuit current per MPP tracker		32A/32A/32A/32A	
Output data (AC)			
AC nominal power	15000W	17000W	20000W
Max. AC apparent power	16600VA@220VAC	18700W@220VAC	22200VA@220VAC
Nominal AC voltage(range*)		127V/220V(101.6-139.7V)	
AC grid frequency(range*)		50/60 Hz(46-54Hz/56-64 Hz)	
Max. output current	43.6A	49.1A	58.3A
Adjustable power factor		0.8leading...0.8lagging	
THDi		< 3%	
AC grid connection type		3W+N+PE	
Efficiency			
Max. efficiency		98.50%	
European efficiency		98.00%	
MPPT efficiency		99.90%	
Protection devices			
DC reverse polarity protection		Yes	
DC switch		Yes	
DC/AC surge protection		Type II / Type II	
Insulation resistance monitoring		Yes	
AC short-circuit protection		Yes	
Grid monitoring		Yes	
String monitoring		Yes	
Anti-islanding protection		Yes	
Residual-current monitoring unit		Yes	
AFCI protection		Yes	
General data			
Dimensions (W / H / D)		580/435/230mm	
Weight		31kg	
Operating temperature range		- 25 °C ... +60 °C	
Nighttime power consumption		< 1W	
Topology		Transformerless	
Cooling		Fan cooling	
Protection degree		IP66	
Relative humidity		0-100%	
Altitude		4000m	
DC connection		H4/MC4(Optional)	
AC connection		Cable gland+OT terminal	
Display		OLED+LED/WIFI+APP	
Interfaces: RS485 / USB/Wi-Fi/ GPRS/ RF/LAN		Yes/Yes/Optional/Optional/Optional /Optional	
Warranty: 10 years		Yes	

CE, EN50549, IEC 62116, IEC 61727, IEC62109, AS4777, UL1741, IEE1547

* The AC voltage and frequency range may vary depending on specific country grid standard. All specifications are subject to change without notice.